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PTO/SB/21 (05-03)

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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|   |                        |              |
|---|------------------------|--------------|
| <b>TRANSMITTAL FORM</b><br>(to be used for all correspondence after initial filing) | Application Number     | 10/007,40    |
|   | Filing Date            | Nov. 5, 2001 |
|   | First Named Inventor   | Hughes       |
|   | Art Unit               | hnd/low      |
|   | Examiner Name          | 1934         |
|   | Attorney Docket Number | A 01317      |
| Total Number of Pages in This Submission  |                        |              |

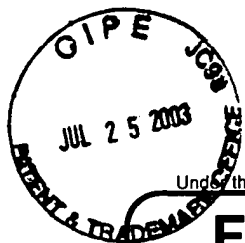
| ENCLOSURES (Check all that apply)  |   |  |
|--|---|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form                     | <input type="checkbox"/> Drawing(s)                                       | <input type="checkbox"/> After Allowance communication to Group                            |
| <input checked="" type="checkbox"/> Fee Attached                             | <input type="checkbox"/> Licensing-related Papers                         | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences        |
| <input checked="" type="checkbox"/> Amendment/Reply                          | <input type="checkbox"/> Petition   | <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final   | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Proprietary Information   |
| <input type="checkbox"/> Affidavits/declaration(s)                           | <input type="checkbox"/> Power of Attorney, Revocation                    | <input type="checkbox"/> Status Letter   |
| <input checked="" type="checkbox"/> Extension of Time Request                | <input type="checkbox"/> Change of Correspondence Address                 | <input type="checkbox"/> Other Enclosure(s) (please identify below):                       |
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| <input type="checkbox"/> Information Disclosure Statement                    | <input type="checkbox"/> Request for Refund                               |  |
| <input type="checkbox"/> Certified Copy of Priority Document(s)              | <input type="checkbox"/> CD, Number of CD(s) _____                        |  |
| <input type="checkbox"/> Response to Missing Parts/Incomplete Application    | Remarks   |  |
| <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 |   |  |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT |  |
|--|--|
| Firm or Individual name                    | Witold A. ZIARNO, Attorney for Rohm & Haas Company |
| Signature                                  | <i>Witold A. Z</i>                                 |
| Date                                       | 7/21/2003  |

| CERTIFICATE OF TRANSMISSION/MAILING   |                    |      |           |
|---|--------------------|------|-----------|
| I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. |                    |      |           |
| Typed or printed name   | Witold A. ZIARNO   |      |           |
| Signature   | <i>Witold A. Z</i> | Date | 7/21/2003 |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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# FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)  
110<sup>00</sup>

## Complete if Known

|                      |              |
|----------------------|--------------|
| Application Number   | 10/007,140   |
| Filing Date          | Nov. 5, 2001 |
| First Named Inventor | Hughes       |
| Examiner Name        | Ludlow       |
| Art Unit             | 1934         |
| Attorney Docket No.  | A 01317      |

## METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☐ Deposit Account:

|                        |  |
|------------------------|--|
| Deposit Account Number |  |
| Deposit Account Name   |  |

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Credit any overpayments  
☐ Charge any additional fee(s) during the pendency of this application  
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

| Large Entity |          | Small Entity |          | Fee Description        | Fee Paid |
|--------------|----------|--------------|----------|------------------------|----------|
| Fee Code     | Fee (\$) | Fee Code     | Fee (\$) |                        |          |
| 1001         | 750      | 2001         | 375      | Utility filing fee     |          |
| 1002         | 330      | 2002         | 165      | Design filing fee      |          |
| 1003         | 520      | 2003         | 260      | Plant filing fee       |          |
| 1004         | 750      | 2004         | 375      | Reissue filing fee     |          |
| 1005         | 160      | 2005         | 80       | Provisional filing fee |          |
| SUBTOTAL (1) |          |              |          |                        | (\$)     |

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| Total Claims       |  | Extra Claims |  | Fee from below |  | Fee Paid |
|--------------------|--|--------------|--|----------------|--|----------|
| Independent        |  | -20** =      |  | X              |  |          |
| Multiple Dependent |  | -3** =       |  | X              |  |          |

| Large Entity |          | Small Entity |          | Fee Description  | Fee Paid |
|--------------|----------|--------------|----------|--|----------|
| Fee Code     | Fee (\$) | Fee Code     | Fee (\$) |  |          |
| 1202         | 18       | 2202         | 9        | Claims in excess of 20                                     |          |
| 1201         | 84       | 2201         | 42       | Independent claims in excess of 3                          |          |
| 1203         | 280      | 2203         | 140      | Multiple dependent claim, if not paid                      |          |
| 1204         | 84       | 2204         | 42       | ** Reissue independent claims over original patent         |          |
| 1205         | 18       | 2205         | 9        | ** Reissue claims in excess of 20 and over original patent |          |
| SUBTOTAL (2) |          |              |          |  | (\$)     |

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

| Large Entity |          | Small Entity |          | Fee Description  | Fee Paid            |
|--------------|----------|--------------|----------|--|---------------------|
| Fee Code     | Fee (\$) | Fee Code     | Fee (\$) |  |                     |
| 1051         | 130      | 2051         | 65       | Surcharge - late filing fee or oath  |                     |
| 1052         | 50       | 2052         | 25       | Surcharge - late provisional filing fee or cover sheet                     |                     |
| 1053         | 130      | 1053         | 130      | Non-English specification  |                     |
| 1812         | 2,520    | 1812         | 2,520    | For filing a request for <i>ex parte</i> reexamination                     |                     |
| 1804         | 920*     | 1804         | 920*     | Requesting publication of SIR prior to Examiner action                     |                     |
| 1805         | 1,840*   | 1805         | 1,840*   | Requesting publication of SIR after Examiner action                        |                     |
| 1251         | 110      | 2251         | 55       | Extension for reply within first month                                     | \$110 <sup>00</sup> |
| 1252         | 410      | 2252         | 205      | Extension for reply within second month                                    |                     |
| 1253         | 930      | 2253         | 465      | Extension for reply within third month                                     |                     |
| 1254         | 1,450    | 2254         | 725      | Extension for reply within fourth month                                    |                     |
| 1255         | 1,970    | 2255         | 985      | Extension for reply within fifth month                                     |                     |
| 1401         | 320      | 2401         | 160      | Notice of Appeal   |                     |
| 1402         | 320      | 2402         | 160      | Filing a brief in support of an appeal                                     |                     |
| 1403         | 280      | 2403         | 140      | Request for oral hearing   |                     |
| 1451         | 1,510    | 1451         | 1,510    | Petition to institute a public use proceeding                              |                     |
| 1452         | 110      | 2452         | 55       | Petition to revive - unavoidable   |                     |
| 1453         | 1,300    | 2453         | 650      | Petition to revive - unintentional   |                     |
| 1501         | 1,300    | 2501         | 650      | Utility issue fee (or reissue)   |                     |
| 1502         | 470      | 2502         | 235      | Design issue fee   |                     |
| 1503         | 630      | 2503         | 315      | Plant issue fee  |                     |
| 1460         | 130      | 1460         | 130      | Petitions to the Commissioner  |                     |
| 1807         | 50       | 1807         | 50       | Processing fee under 37 CFR 1.17(q)  |                     |
| 1806         | 180      | 1806         | 180      | Submission of Information Disclosure Stmt                                  |                     |
| 8021         | 40       | 8021         | 40       | Recording each patent assignment per property (times number of properties) |                     |
| 1809         | 750      | 2809         | 375      | Filing a submission after final rejection (37 CFR 1.129(a))                |                     |
| 1810         | 750      | 2810         | 375      | For each additional invention to be examined (37 CFR 1.129(b))             |                     |
| 1801         | 750      | 2801         | 375      | Request for Continued Examination (RCE)                                    |                     |
| 1802         | 900      | 1802         | 900      | Request for expedited examination of a design application                  |                     |

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)  
110<sup>00</sup>

## SUBMITTED BY

|                   |                          |                                   |           |           |              |
|-------------------|--------------------------|-----------------------------------|-----------|-----------|--------------|
| Name (Print/Type) | Wito I. A. Ziarro        | Registration No. (Attorney/Agent) | 39,888    | Telephone | 215-619-5548 |
| Signature         | <i>Wito I. A. Ziarro</i> | Date                              | 7/21/2003 |           |              |

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*A. Lawrence*  
*#51a*  
*8.4.03*

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED  
JUL 30 2003  
TC 1700

In re application of: Lyn Hughes.

Serial No.: 10/007,140 ✓

Filed: 11/05/2001

For: BUCCAL DISSOLUTION OF ACTIVE  
SUBSTANCES

Attorney Docket No.: A01317

Group Art Unit: 1934

Examiner: Jan M. Ludlow

Assistant Commissioner for Patents  
Washington, DC 20231

AMENDMENT AND RESPONSE TO OFFICE ACTION DATED MARCH  
21, 2003

Dear Sir:

In the Claims:

Please cancel the currently pending claims and insert the following new  
claims:

- 
4. An apparatus for conducting a buccal dissolution test comprising:
    - a) a cell;
    - b) means of removing a sample from said cell such that undissolved solids are not included in said sample; and,
    - c) means of analyzing said sample for substances of interest in the test.
  5. The apparatus of Claim 4 further comprising: a supply of a release medium that can be continuously passed into said cell.
  6. The apparatus of Claim 4 further comprising: means of controlling the temperature of the release medium in said cell.